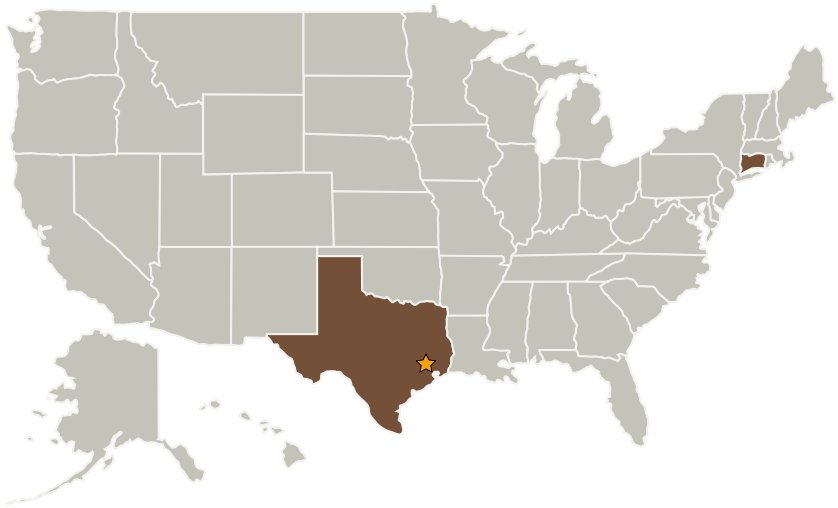
Next Generation MK III Lightweight HUT/Hatch Assembly, Phase I

Completed Technology Project (2004 - 2004)

Project Introduction

The Next Generation MK III Lightweight HUT/Hatch Assembly will maximize the Hard Upper Torso - Hatch assembly weight reduction through the combination of innovative material selection and cross sectional redesign. The intent is to research, identify and down select robust lightweight materials that are best suited for space & planetary, (or lunar) exploration. This Next Generation MK III Lightweight HUT/Hatch Assembly will be backwrd compatible with previous MK III suits.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Johnson Space Center(JSC)	Lead Organization	NASA Center	Houston, Texas
Air-Lock, Inc.	Supporting Organization	Industry	Milford, Connecticut

Primary U.S. Work Locations	
Connecticut	Texas

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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Johnson Space Center (JSC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Mike Mccarthy

Technology Areas

Primary:

- TX06 Human Health, Life Support, and Habitation Systems
  - TX06.2 Extravehicular Activity Systems
    - TX06.2.4 Decompression Sickness Mitigation